

CLAIMS

1. A wetsuit comprising:
a plurality of laminated fiber layers;
a plurality of expandable interconnected air channels formed between at
least two of said fiber layers; and
5 a valve connected for selectively admitting air under pressure into said air
channels and forming inflated regions in said wetsuit.
2. The wetsuit recited in claim 1 wherein said air channels are configured for
forming a plurality of adjacent cells.
3. The wetsuit recited in claim 2 wherein said cells are hexagonally shaped.
4. The wetsuit recited in claim 2 wherein said cells are non-inflatable regions
where said fiber layers are affixed to one another.

5. The wetsuit recited in claim 1 wherein said inflated regions are in the chest portion of said wetsuit.

6. A wetsuit fabric comprising:
at least two fabric layers laminated together at selected locations to form a unitary fabric;

a plurality of contiguous regions between said layers, said layers being
5 free to separate from each other along said contiguous regions to form expandable air channels therein; and

a valve for selectively introducing air under pressure into said air channels to expand said contiguous regions.

7. The wetsuit fabric recited in claim 6 wherein said air channels are configured for forming a plurality of adjacent cells.

8. The wetsuit fabric recited in claim 7 wherein said cells are non-inflatable regions where said fiber layers are affixed to one another.

9. The wetsuit fabric recited in claim 6 wherein said air channels are configured to form a repeating pattern of inflated and non-inflated regions.

10. The wetsuit fabric recited in claim 9 wherein said non-inflated regions are hexagonally shaped.